

CLAIMS

1. (Currently Amended) A sealing material for sealing an envelope of an electron tube comprising:
P₂O₅-SnO ~~type~~ low melting glass powder having a softening point of approximately 300°C to 400°C;
thermal expansion-controlling ceramics having low expansion coefficient; and
insulating oxide fine particles having a particle diameter of approximately 0.001 to approximately [~] 0.1 μm, wherein the insulating oxide fine particles are substantially uniformly distributed on the surface of the P₂O₅-SnO low melting glass powder.
2. (Cancelled)
3. (Currently Amended) The sealing material for sealing an envelope of the electron tube as in claim 1, wherein the insulating oxide fine particles are present in approximately 0.01 to approximately [~] 2 wt % to the total weight of the P₂O₅-SnO ~~type~~ low melting glass powder and the thermal expansion-controlling ceramics.
4. (Currently Amended) The sealing material for sealing an envelope of the electron tube as in claim 1, wherein the insulating oxide fine particles are selected from the group consisting of SiO₂, Al₂O₃ and ZrO₂ ~~fine particles.~~
- 5-6. (Cancelled)